

## S1. Commercial Fishing

### Group S1A. Catch, Value, and Edge Effect

**Summary Description:** Monitor **Catch and value** of catch for CINMS and surrounding areas using California Department of Fish and Game trip tickets data by 10x10 minute blocks [or a survey in the case of a 1x1 minute resolution]. Use 22-block definition of CINMS and all other blocks from Point Conception to Mexican border for surrounding areas. Spatially document **Edge Effect** of marine reserves on commercial fishing.

**Facilitator:** Tom Culliton

**Participants:**

Experts

Michael Harrington  
Mike McCorkle  
Sara Peterson  
Steve Rebuck  
Bob Leeworthy  
Astrid Scholz  
Chris Costello  
Ky Russell

Stakeholders

Chris Miller  
Harry Liquornik  
Neil Guglielmo  
Peter Halmay

**Time Requirement: (Saturday)**

- **3 hours 30 minutes** for discussion and **completion of worksheet A**
- **1 hour** for **completion of worksheet B**

## S1. Commercial Fishing

### Group S1B. Economic and Social

**Summary Description:** Monitor **Costs, Earnings and Investment** with representative panels of commercial fishermen of the CINMS, including those displaced and not displaced (did not fish in areas designated as marine reserves before being designated as such). Include tracking of **marinas, ports, and harbors** and tracking **changes in unemployment reporting**. Monitor **Knowledge Attitudes and Perceptions** of management strategies and regulations (along with no take regulations), along with **socioeconomic profiles** of fishermen, This must be done with representative samples of fishermen using survey methodologies.

**Facilitator:** Tom Culliton

#### **Participants:**

##### Experts

Dave Kolpo  
Mike Dalton  
Astrid Scholz  
Rodney Cluck  
Carrie Pomeroy  
Monica Hunter  
Manoj Shivlani  
Daniel Suman  
Peter Fricke  
Patricia Clay  
Susan Stonich  
Bob Leeworthy  
Barbara Walker  
Michael Harrington  
Mike McCorkle  
Sara Peterson  
Steve Rebuck  
Diane Pleschner-Steele

##### Stakeholders

Chris Miller  
Harry Liquornik  
Neil Guglielmo  
Peter Halmay

#### **Time Requirement:**

- **2 hours 15 minutes** for **discussion** (Saturday afternoon)
- **2 hours 45 minutes** for **recap, discussion, and completion of worksheet A** (Sunday morning)
- **1 hour** for **completion of worksheet B** (Sunday afternoon)

## S2. Recreational Fishing and Consumptive Diving

### Group S2A. Use, Catch and Edge Effects

**Summary Description:** Monitor **Use and Catch** for Southern California using the National Marine Fisheries Service, Marine Recreational Fishing Statistics Survey, and the CDFG Logbook data. Spatially document **Edge Effect** of marine reserves on recreational fishing and consumptive diving in proximity to marine reserves. Joint discussion with Group IIIA will address **Charter/Party Boat Use** and **Private Boat Use**.

**Facilitator:** Becky Shortland

**Participants:**

Experts

Wade Van Buskirk  
Debbie Aseltine-Neilson  
Pete Wiley  
Manoj Shivlani

Stakeholders

Tom Raftican  
Merit McCrea  
Eric Kett

**Time Requirement:**

- **2 hours** for **discussion** (Saturday morning)
  - Joint discussion with Group IIIA: *Recreational Non-Consumptive Users: Use/Use in Marine Reserves*
- **1 hour 30 minutes** for continued **discussion and completion of worksheet A** (Saturday afternoon)
  - Separate from Group IIIA: *Recreational Non-Consumptive Users: Use/Use in Marine Reserves*
- **1 hour** for completion of **worksheet B** (Saturday afternoon)

## S2. Recreational Fishing and Consumptive Diving

## S3. Recreational Non-Consumptive Users

Group S2B. Economic and Social

Group S3B. Economic and Social

**Summary Description:** Monitor **Costs, Earnings and Investment** with representative panels of charter/party boat and guide operators of the CINMS. Panels of fishermen displaced and not displaced from marine reserves (did not fish in areas designated as marine reserves before being designated as such). Include **tracking of marinas, ports, and harbors**, and evaluations of **if/where charter boats relocate**. Monitor **Knowledge Attitudes and Perceptions** of management strategies and regulations, along with **socioeconomic profiles** of charter/party/guide boat owners, captains and mates. This must be done with representative samples of charter/party/guide boat owners, captains and mates using survey methodologies.

**Facilitator:** Becky Shortland

**Participants:**

### Experts

Wade Van Buskirk  
Debbie Aseltine-Neilson  
Pete Wiley  
Cynthia Ross  
Terry Tillman  
Manoj Shivilani  
Susan Stonich  
Jessie Alstatt

### Stakeholders

Tom Raftican  
Eric Kett  
Merit McCrea  
Warner Chabot  
Kate Wing

**Time Requirement:**

- **2 hours 15 minutes** for **discussion, development of measurement/activity** (Saturday afternoon)
- **1 hour 30 minutes** for **continued discussion, development of measurement/activity** (Sunday morning)
- **1 hour 15 minutes** for **discussion and completion of worksheet A** (Sunday morning/afternoon)
- **1 hour** for completion of **worksheet B** (Sunday afternoon)

## S3. Recreational Non-Consumptive Users

### Group S3A. Use/Use in Marine Reserves

**Summary Description:** Monitor **Use** of charter/party/guide concessionaires with boat panels and private household boat use with a survey of California Boaters as part of a statewide boating study. This would be done in conjunction with the consumptive uses, since many of the same operations engage in both consumptive and non-consumptive uses. For use, possibly include spatial component as in 1999. Spatially Document **use within Marine Reserves**. Joint discussion with Group IIA will address **Charter/Party Boat Use** and **Private Boat Use**.

**Facilitator:** Mike Murray

**Participants:**

Jessie Alstatt  
Susan Stonich  
Terry Tillman  
Warner Chabot  
Kate Wing

**Time Requirement:**

- **2 hours** for **discussion/development of measurement/activity** (Saturday morning)
  - Joint discussion with Group IIA: *Recreational Fishing and Consumptive Diving: Use, Catch, and Edge Effects*
- **1 hour 30 minutes** for continued **discussion and completion of worksheet A** (Saturday afternoon)
  - Separate from Group IIA: *Recreational Fishing and Consumptive Diving: Use, Catch, and Edge Effects*
- **1 hour** for completion of **worksheet B** (Saturday afternoon)

## J1. Education and Research

### Group J1. Education and Research (combined Socioecon. and Ecol.)

**Summary Description:** Explore how the reserves impact the activities of educational and research user groups.

**Facilitator:** Cathy Ann Miller

**Participants:**

Michael McGinnis  
Dan Brumbaugh  
William Freudenberg  
Greg Helms  
Holly Lohuis  
Laura Francis  
Craig Taylor

**Time Requirement:**

- 1 hour 30 minutes for discussion (Sunday morning)
- 1 hour 15 minutes for discussion and completion of worksheet A (Sunday morning/afternoon)
- 1 hour for completion of worksheet B (Sunday afternoon)